detect the start and finish of a song, as indicated by an increasing and decreasing volume, respectively.

According to another aspect of the invention, a chorus is detected in at least one music video. A transcript associated with a music video in a received multimedia stream is accessed and the chorus is detected based upon a repetition of words in the transcript. The transcript may be obtained, for example, from closed caption information. The extracted chorus may be employed for the automatic generation of a summary of the music video. The generated summary can be presented to a user in accordance with user preferences, and may be used to retrieve music videos in accordance with user preferences.

A more complete understanding of the present invention, as well as further features and advantages of the present invention, will be obtained by reference to the following detailed description and drawings.

FIG. 1 illustrates an exemplary conventional video display system in which the present invention can operate;

FIG. 2 illustrates a system for indexing and summarizing music videos in the exemplary video display system of FIG. 1 according to one embodiment of the invention;

FIG. 3 illustrates a memory containing music video summary processes incorporating features of the present invention;

FIG. 4 illustrates a memory containing music video summary blocks that are used with an embodiment of the present invention;

FIG. 5 is a flow chart illustrating an exemplary implementation of a music indexing and summarization process incorporating features of the present invention;

FIG. 6 is a flow chart of an exemplary face feature analysis process incorporating features of the present invention;

FIG. 7 is a flow chart of an exemplary camera change analysis process incorporating features of the present invention;

FIG. 8 is a flow chart of an exemplary color histogram analysis process incorporating features of the present invention;

FIG. 9 is a flow chart of an exemplary audio feature analysis process incorporating features of the present invention;

FIG. 10 illustrates an exemplary Bayesian Belief Network incorporating features of the present invention;